

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102641.D
 Acq On : 30 Jan 2018 16:04
 Operator : SJ/JU
 Sample : J1363-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-01

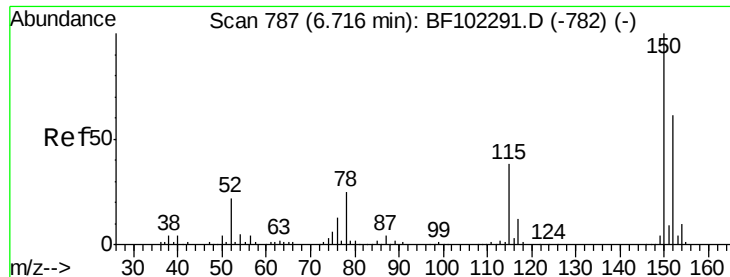
Manual Integrations
 APPROVED

Sohil
 1/31/2018 2:00:13 PM

Quant Time: Jan 31 09:11:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156419	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	677834	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	303316	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	525611	20.00	ng	0.00
75) Chrysene-d12	13.87	240	460200	20.00	ng	0.00
86) Perylene-d12	15.30	264	365178	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1071353	103.85	ng	0.02
7) Phenol-d6	6.36	99	1205970	96.97	ng	0.00
23) Nitrobenzene-d5	7.28	82	953727	80.86	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	319120	106.18	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1676250	81.26	ng	0.00
78) Terphenyl-d14	12.82	244	1490416	73.01	ng	0.00
Target Compounds						
10) Phenol	6.39	94	379752	27.969	ng	99
15) Benzyl Alcohol	6.86	79	52256	5.955	ng	# 79
17) 2-Methylphenol	6.98	107	25028	2.665	ng	90
31) Naphthalene	8.01	128	549060	16.224	ng	99
32) Benzoic acid	7.77	122	46343m	5.996	ng	
37) 2-Methylnaphthalene	8.70	142	72426	3.213	ng	97
51) Acenaphthene	9.77	154	108103	5.636	ng	98
54) Dibenzofuran	9.95	168	81114	3.125	ng	99
57) Fluorene	10.29	166	69759	3.391	ng	98
70) Phenanthrene	11.25	178	115056	3.757	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

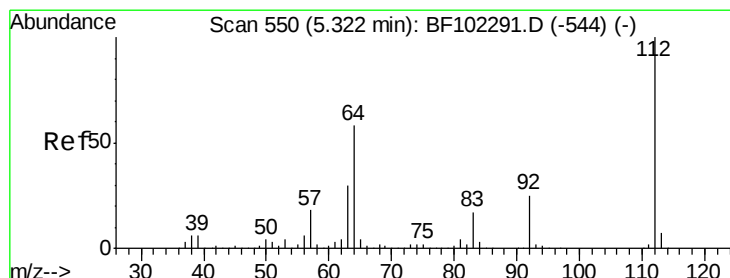
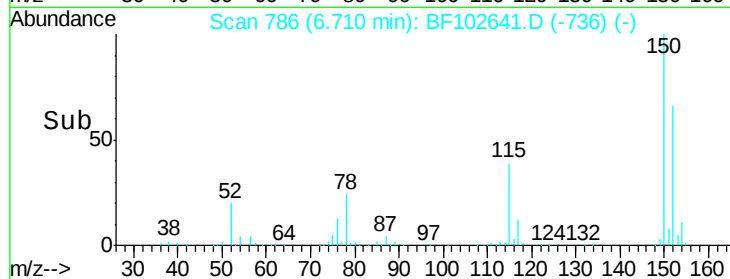
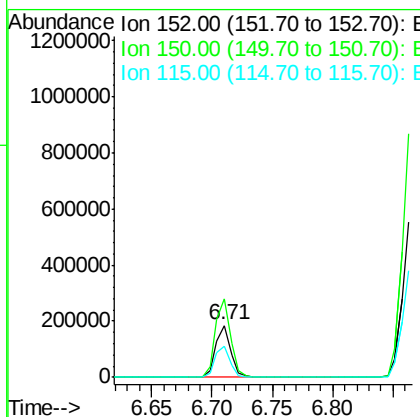
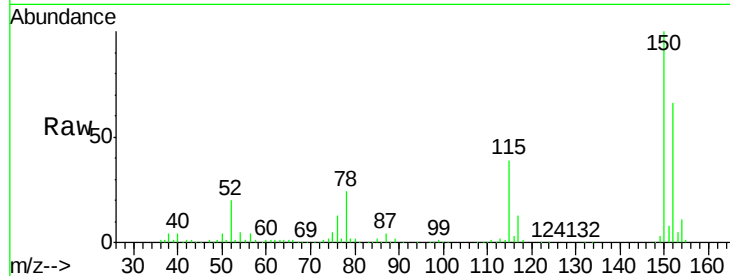
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Instrument :
BNA_F
ClientSampled :
RB-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.6	186.8
115	59.8	50.1	75.1

Manual Integrations
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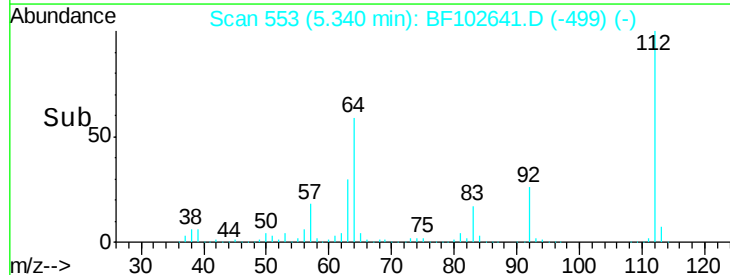
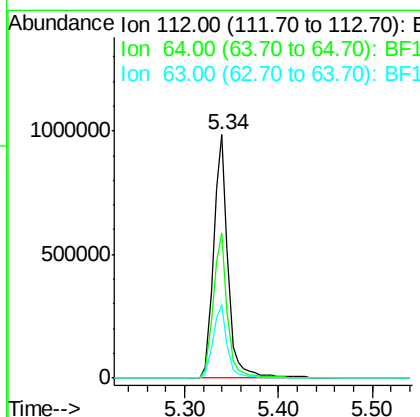
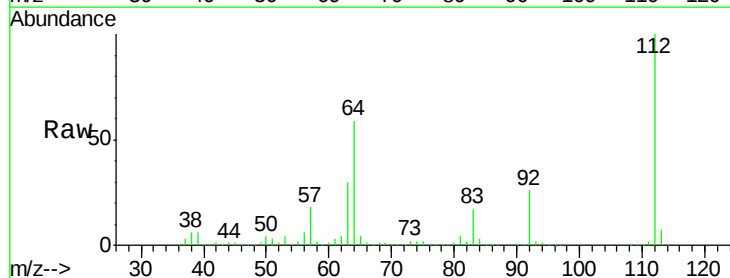
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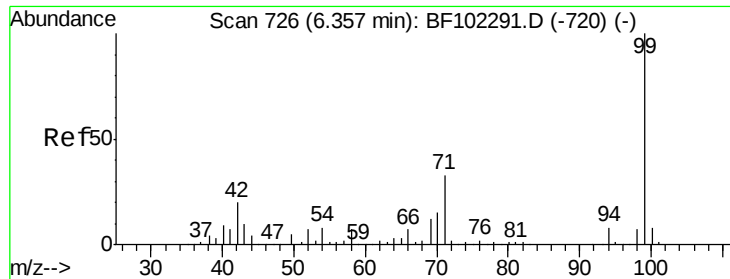


#5

2-Fluorophenol
Concen: 103.852 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 96.966 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

Instrument :

BNA_F

ClientSampled :

RB-01

Tot Ion: 99 Resp: 1205970

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

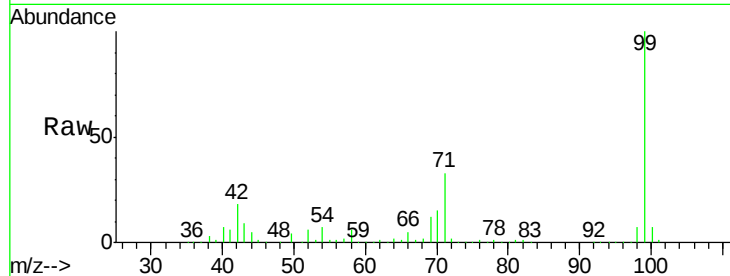
71 32.8 25.4 38.0

Manual Integrations

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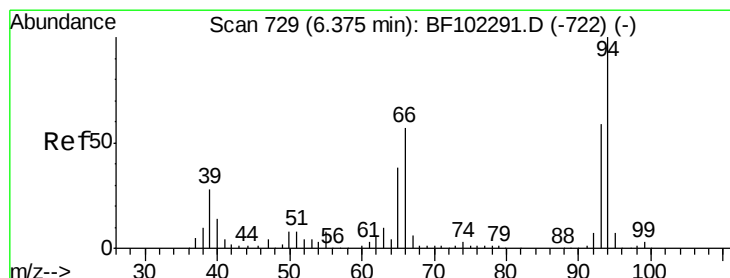
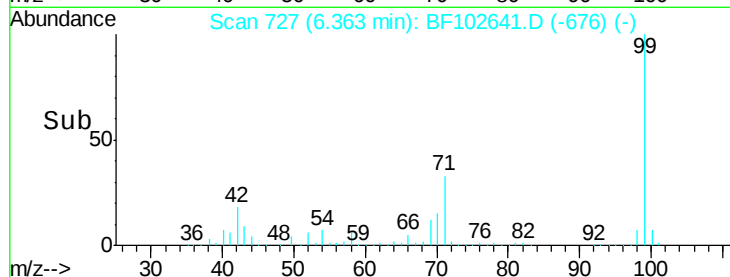
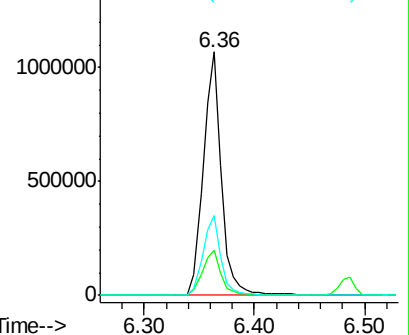
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 27.969 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

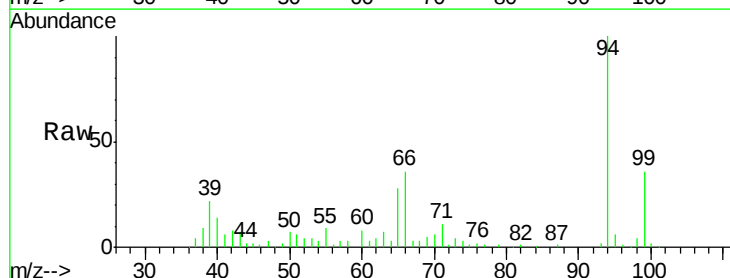
Tgt Ion: 94 Resp: 379752

Ion Ratio Lower Upper

94 100

65 27.5 7.9 47.9

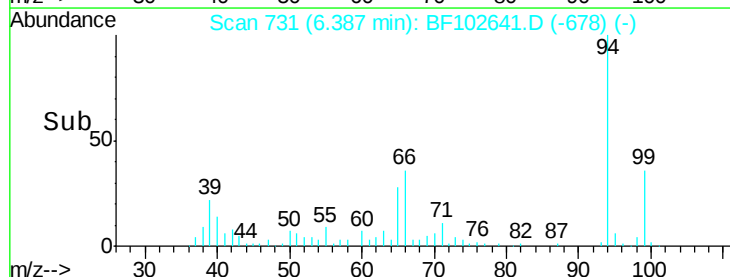
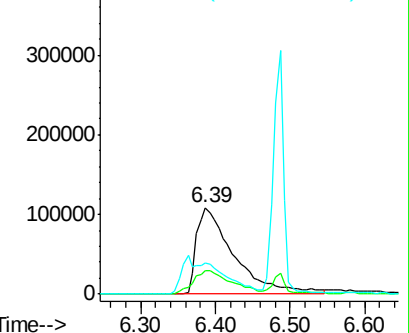
66 35.6 16.2 56.2

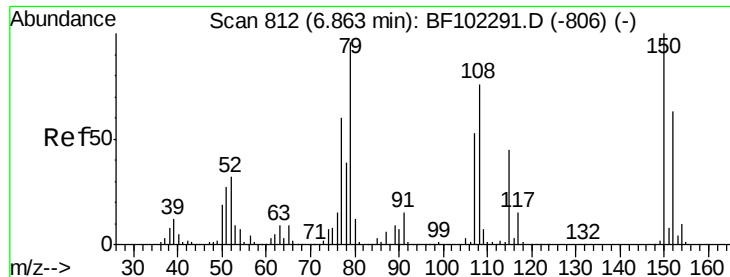


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 5.955 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

Instrument :

BNA_F

ClientSampled :

RB-01

Tot Ion: 79 Resp: 52256

Ion Ratio Lower Upper

79 100

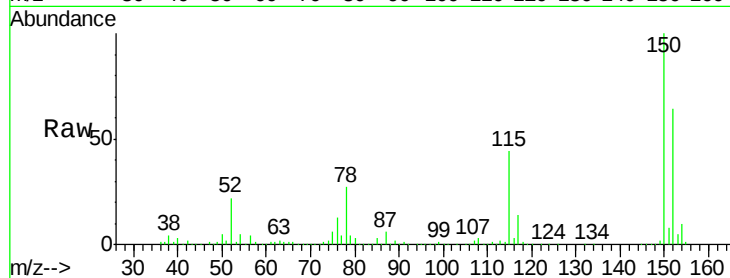
108 63.2 65.1 97.7#

77 80.2 50.6 75.8#

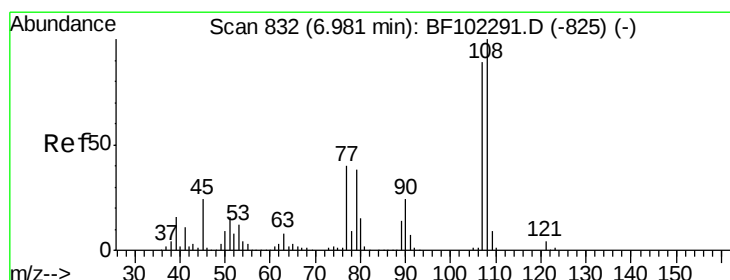
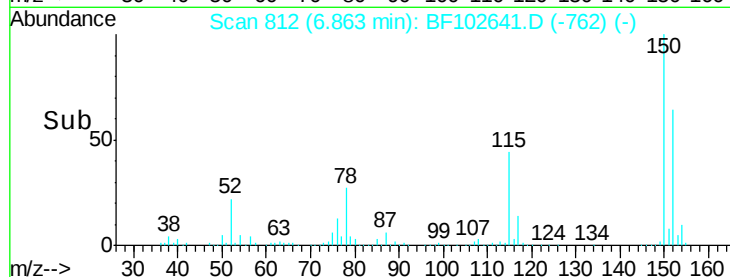
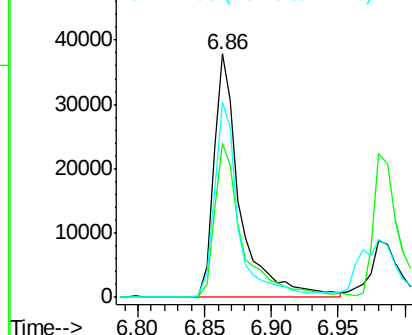
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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 2.665 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

Tgt Ion: 107 Resp: 25028

Ion Ratio Lower Upper

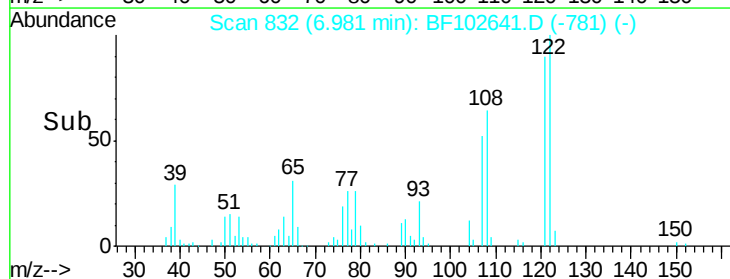
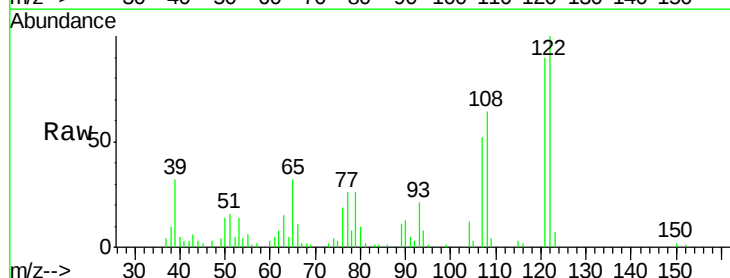
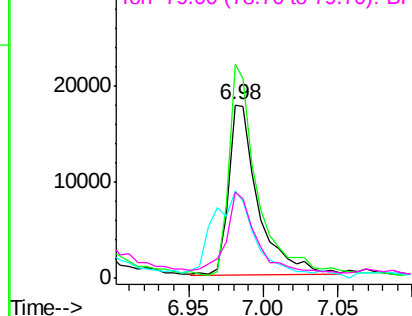
107 100

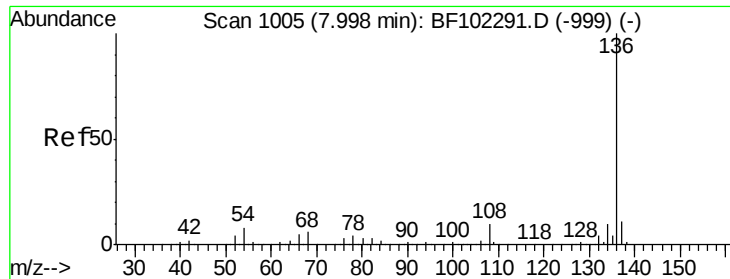
108 123.4 91.7 137.5

77 50.5 33.8 50.8

79 49.3 33.8 50.8

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





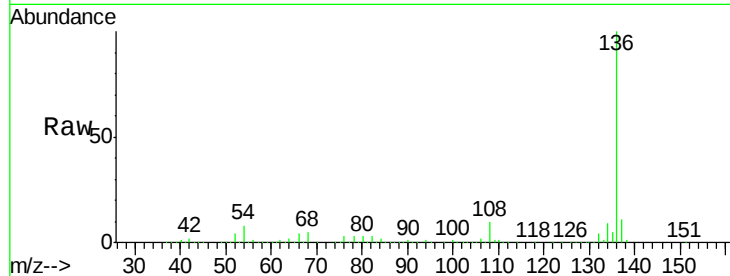
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Instrument :
BNA_F
ClientSampled :
RB-01

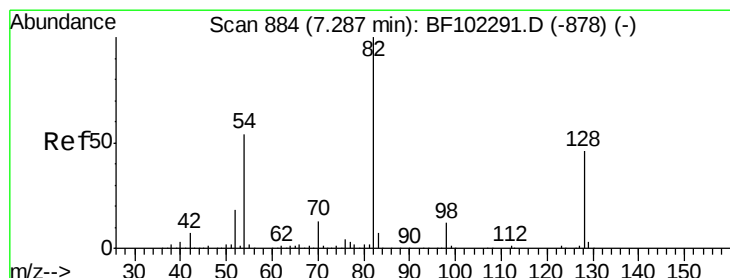
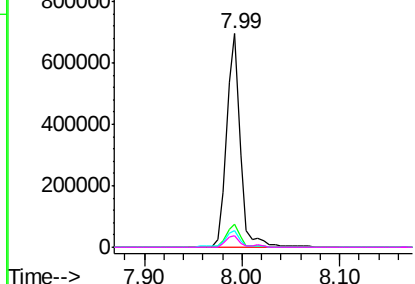
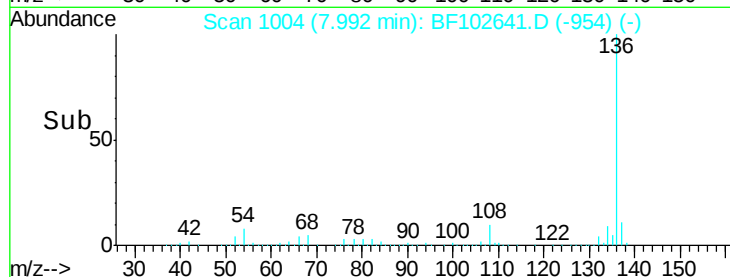
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.8	6.6	9.8
68	5.2	5.0	7.4

Manual Integrations
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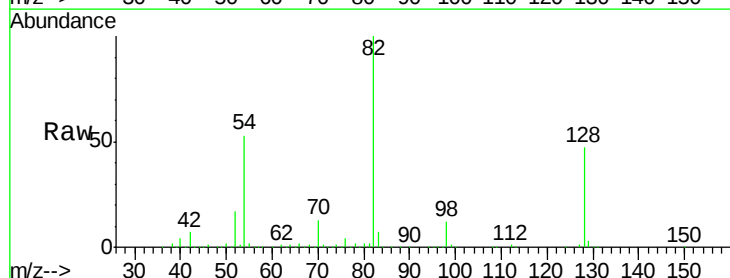


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

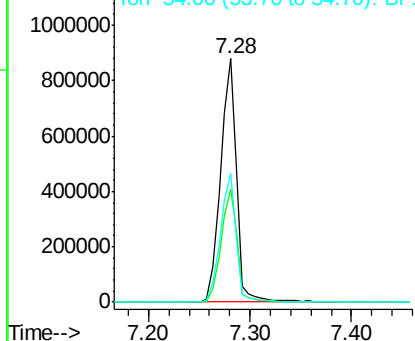
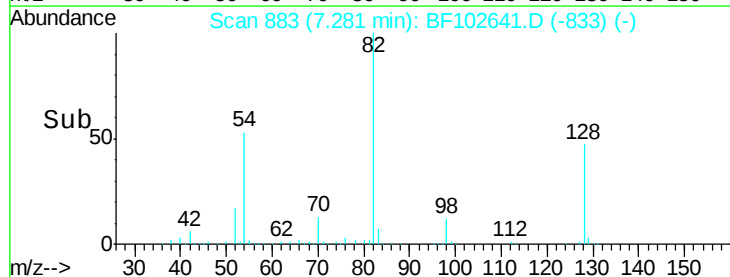


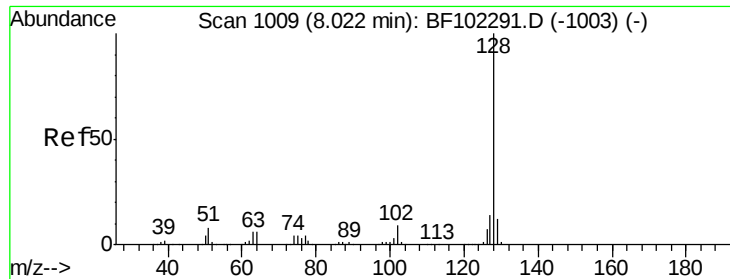
#23
Nitrobenzene-d5
Concen: 80.857 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	52.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





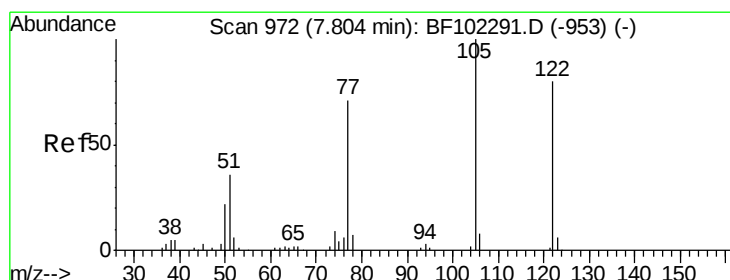
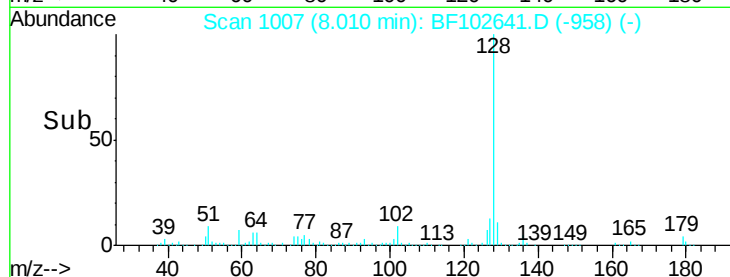
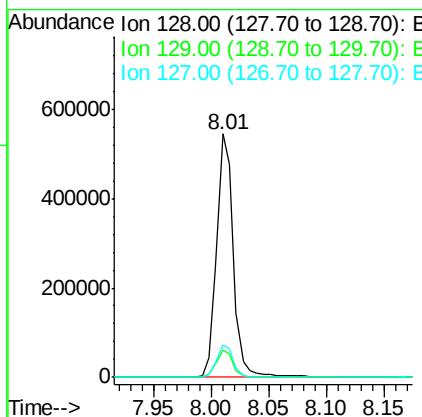
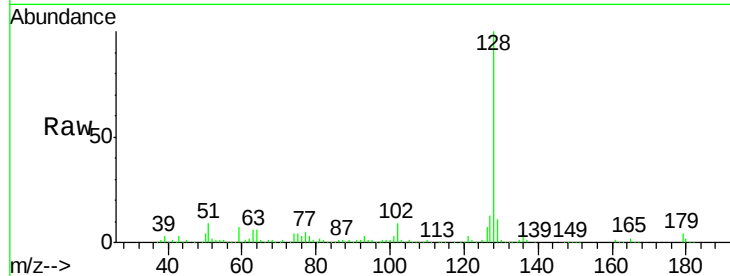
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Naphthalene
Concen: 16.224 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Instrument :
BNA_F
ClientSampled :
RB-01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.8	13.2	
127	13.3	10.9	16.3	

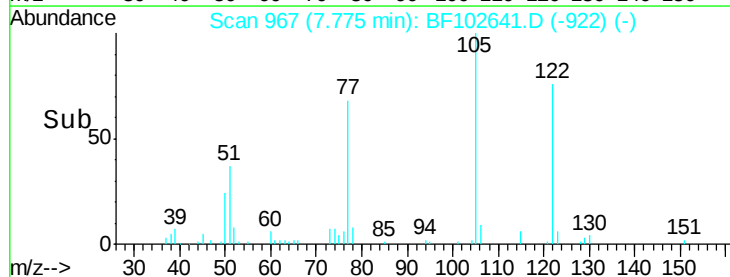
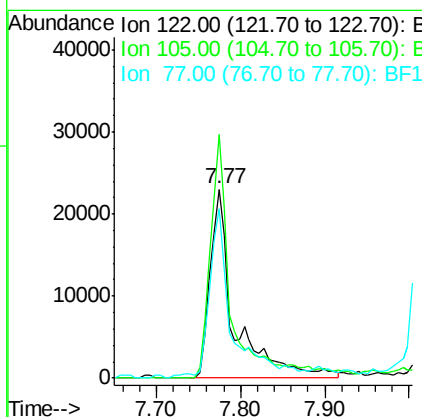
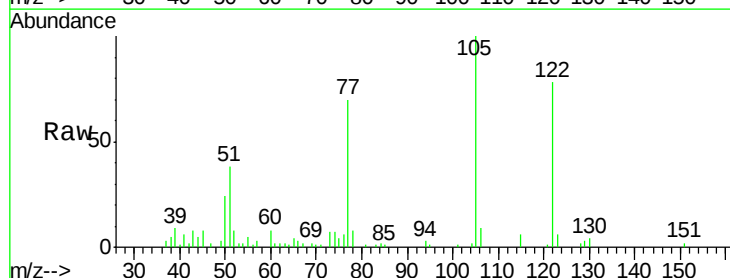
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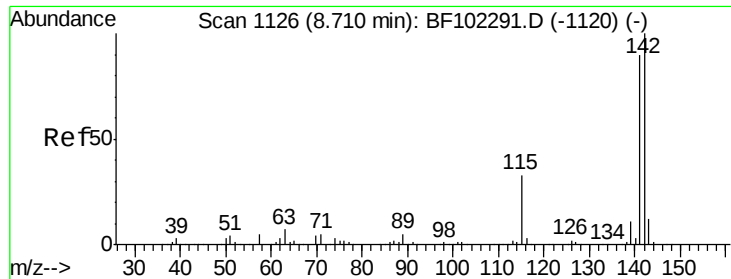
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#32
Benzoic acid
Concen: 5.996 ng m
RT: 7.77 min Scan# 967
Delta R.T. -0.04 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	128.9	101.1	141.1	
77	89.7	70.7	110.7	





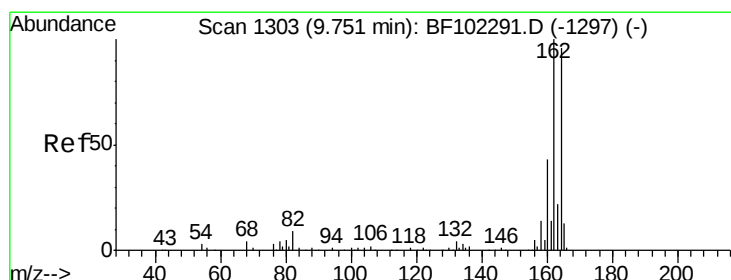
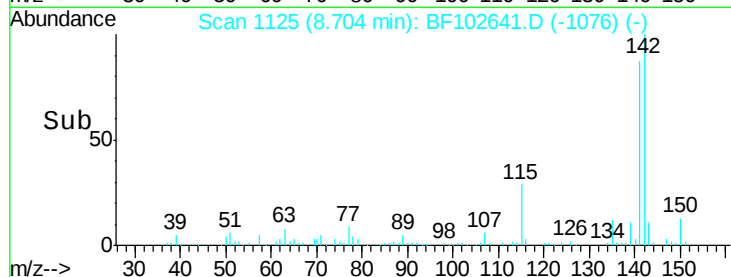
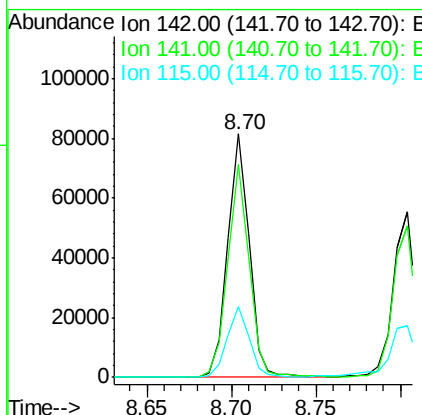
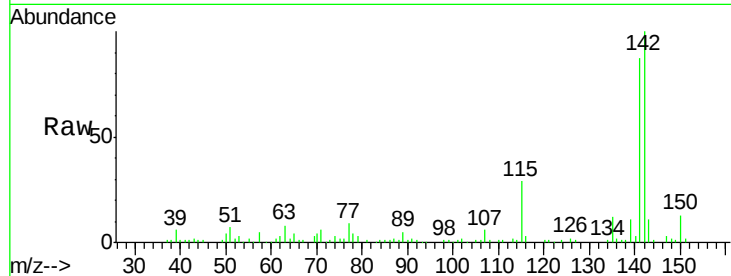
#37
2-Methylnaphthalene
Concen: 3.213 ng
RT: 8.70 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Instrument :
BNA_F
ClientSampled :
RB-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	29.1	26.1	39.1

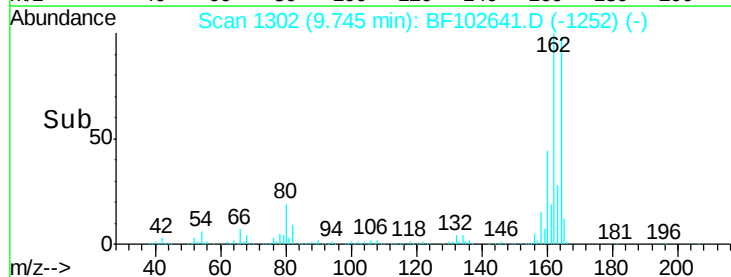
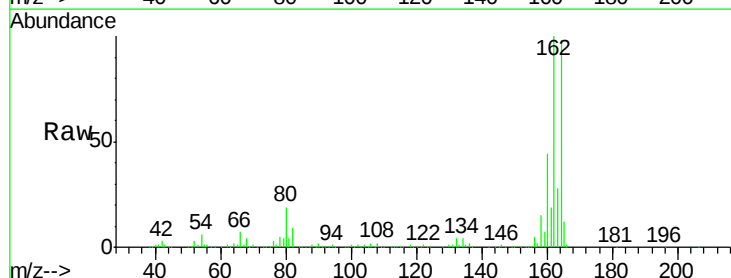
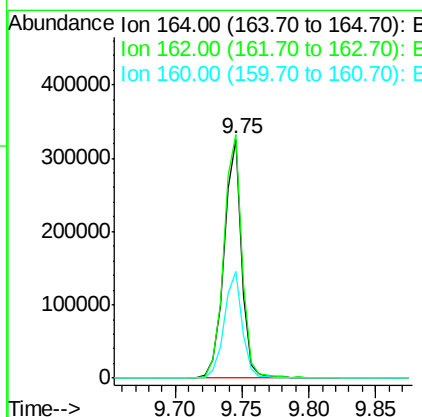
Manual Integrations
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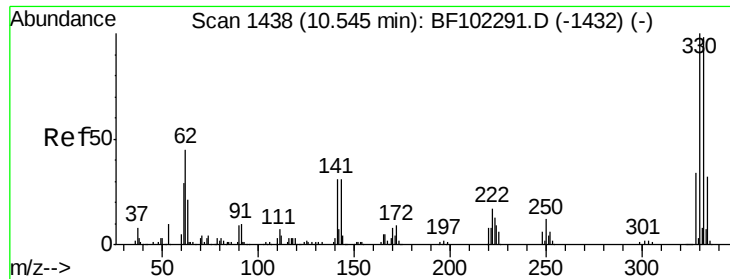
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	44.6	38.3	57.5





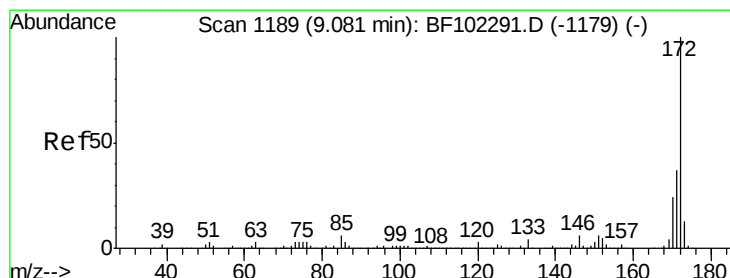
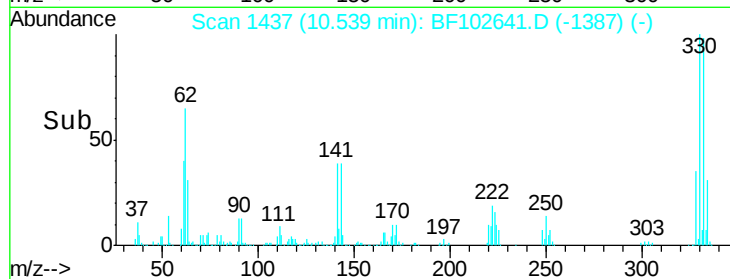
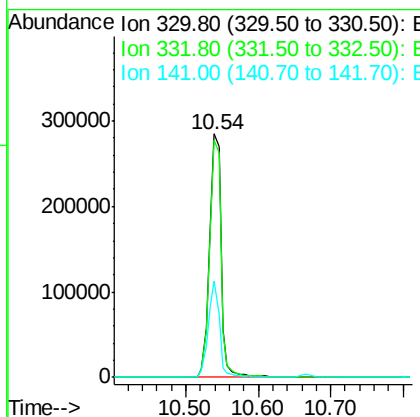
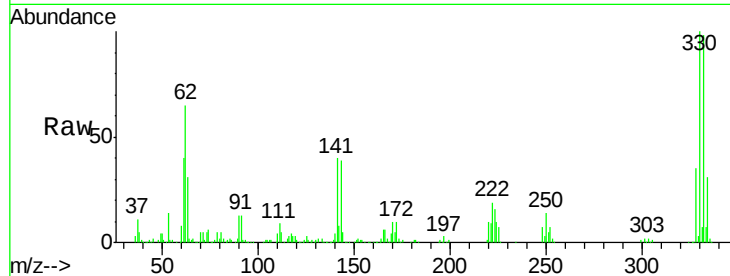
#41
 2,4,6-Tribromophenol
 Concen: 106.181 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

Instrument :
 BNA_F
 ClientSampled :
 RB-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	38.5	29.9	44.9

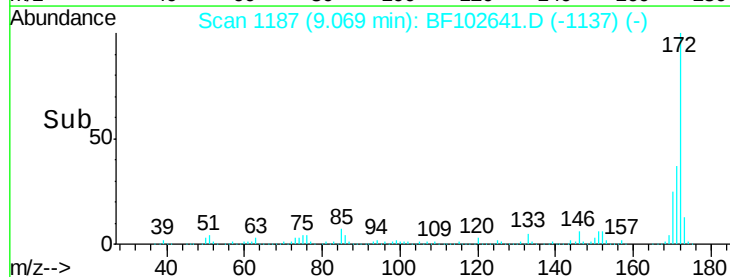
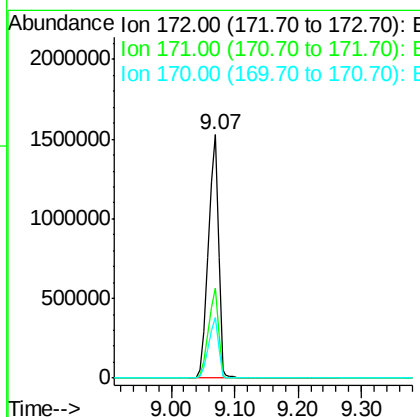
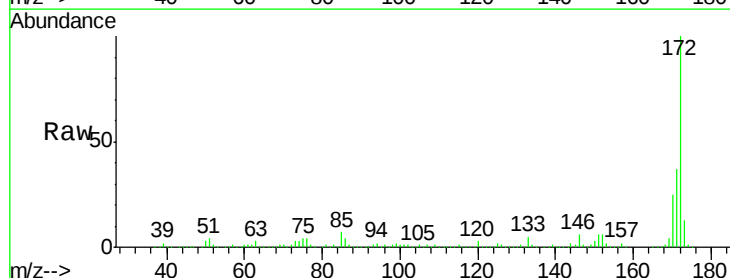
Manual Integrations
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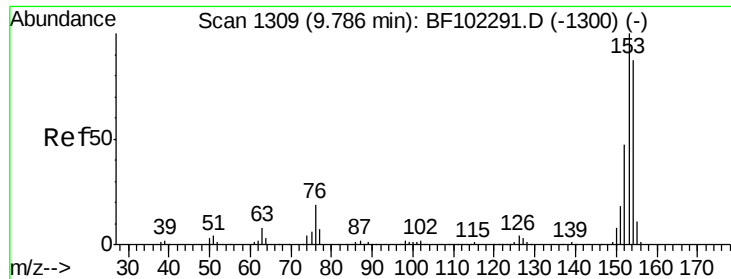
Sohil
 1/31/2018 2:00:13 PM



#44
 2-Fluorobiphenyl
 Concen: 81.258 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.7	19.6	29.4





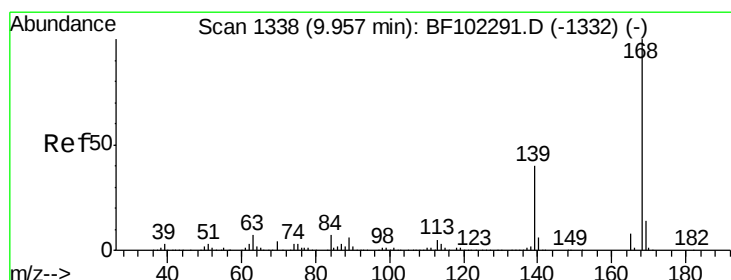
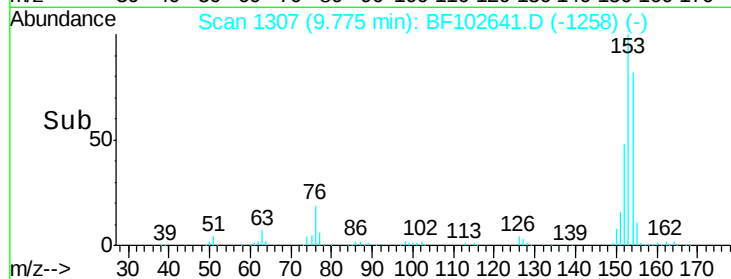
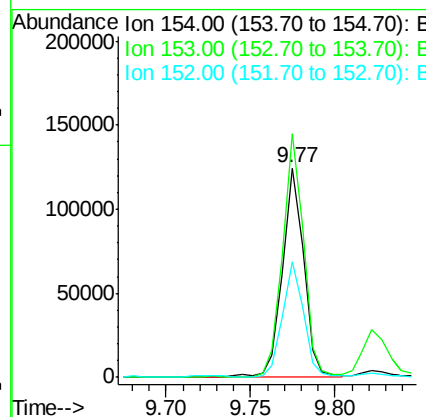
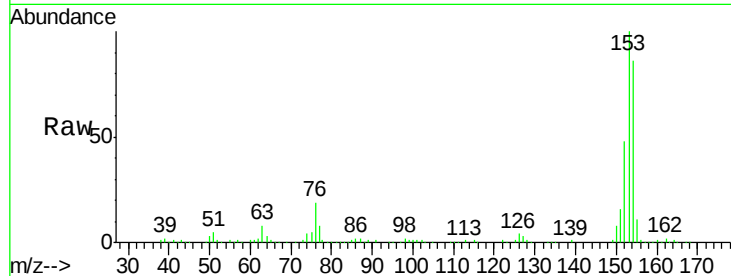
#51
Acenaphthene
Concen: 5.636 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Instrument :
BNA_F
ClientSampleId :
RB-01

Tot Ion:	154	Resp:	108103
Ion Ratio	Lower	Upper	
154	100		
153	116.3	91.2	136.8
152	55.3	43.8	65.8

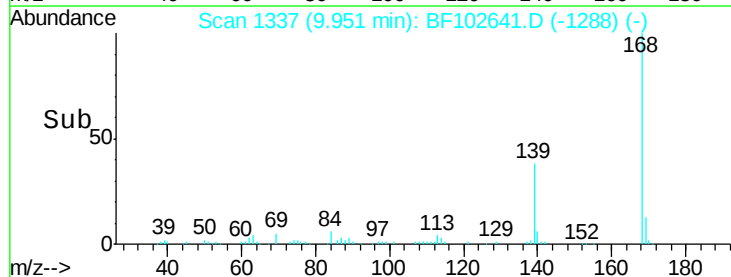
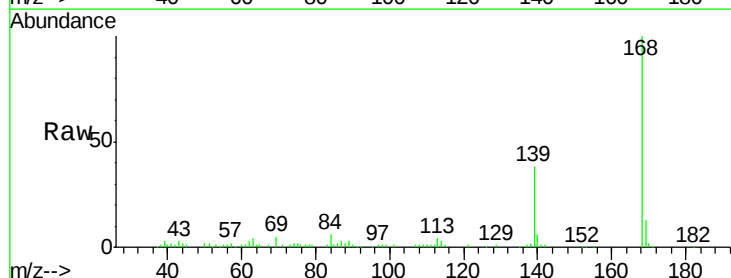
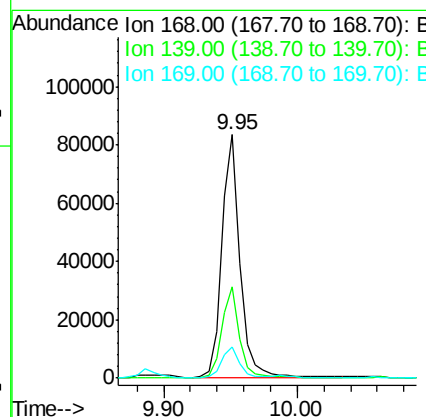
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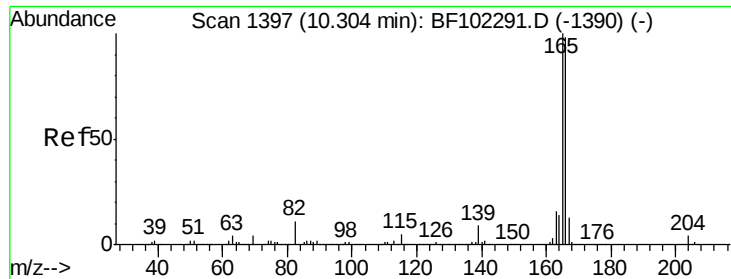
Sohil
1/31/2018 2:00:13 PM



#54
Dibenzofuran
Concen: 3.125 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102641.D
Acq: 30 Jan 2018 16:04

Tgt Ion:	168	Resp:	81114
Ion Ratio	Lower	Upper	
168	100		
139	37.5	30.1	45.1
169	12.8	10.9	16.3





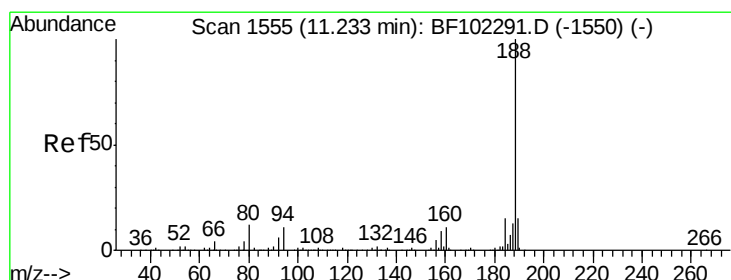
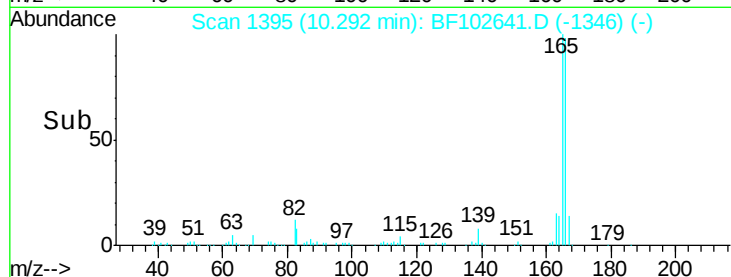
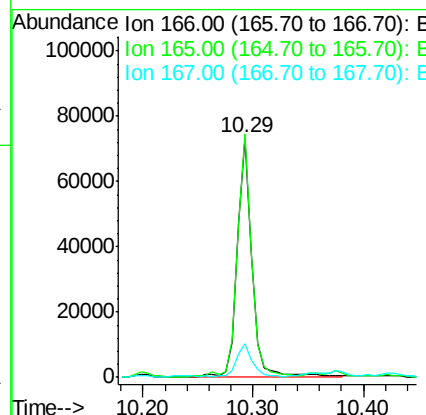
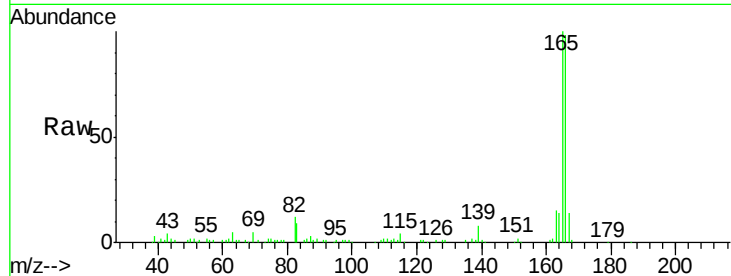
#57
Fluorene
 Concen: 3.391 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

Instrument :
 BNA_F
 ClientSampled :
 RB-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.8	119.8
167	14.0	10.6	16.0

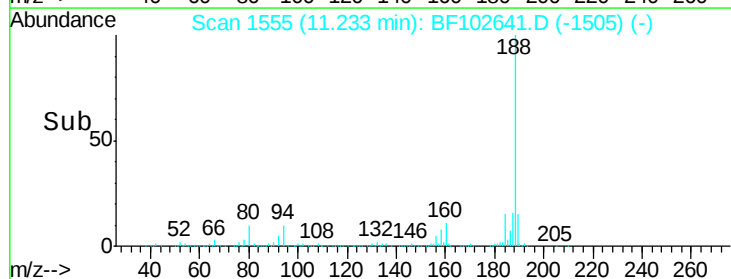
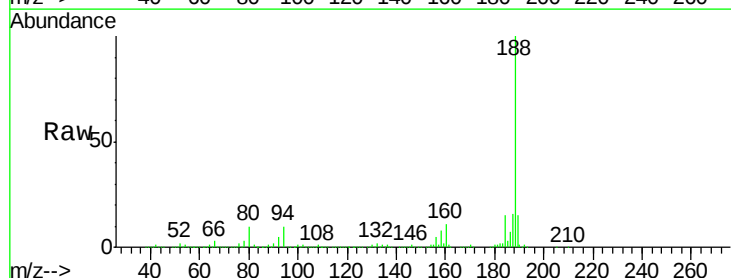
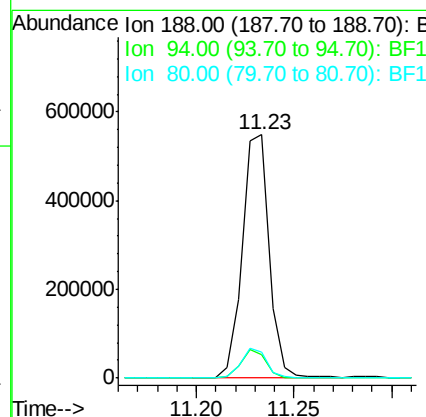
Manual Integrations
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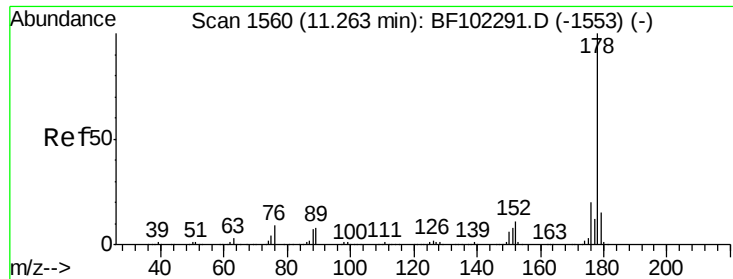
Sohil
 1/31/2018 2:00:13 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8





#70

Phenanthrene

Concen: 3.757 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

Instrument :

BNA_F

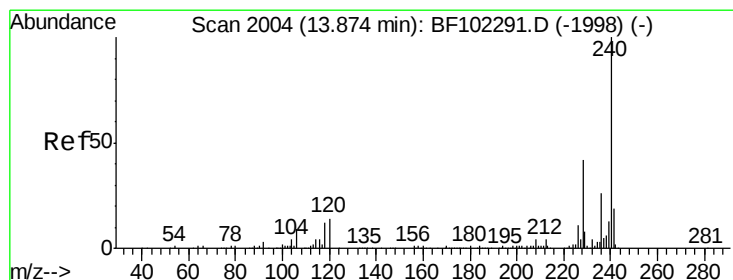
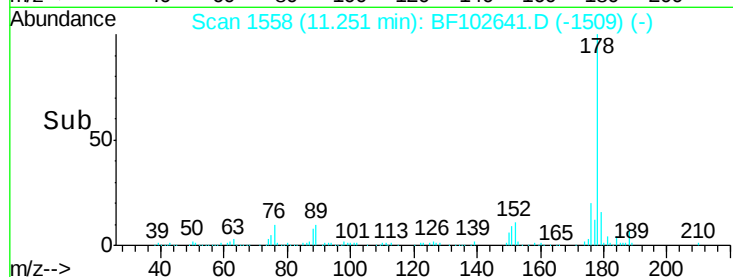
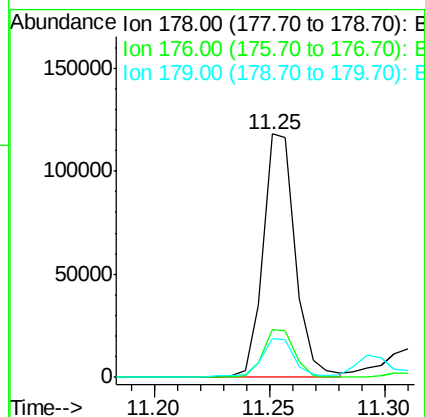
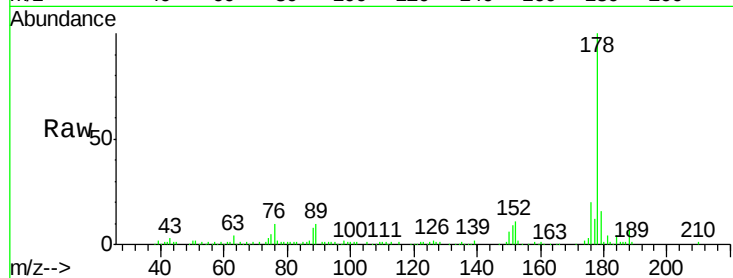
ClientSampleId :

RB-01

Tot Ion:	178	Resp:	115056
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	16.1	13.0	19.6

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

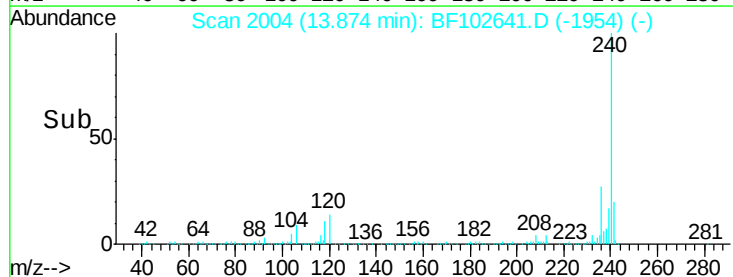
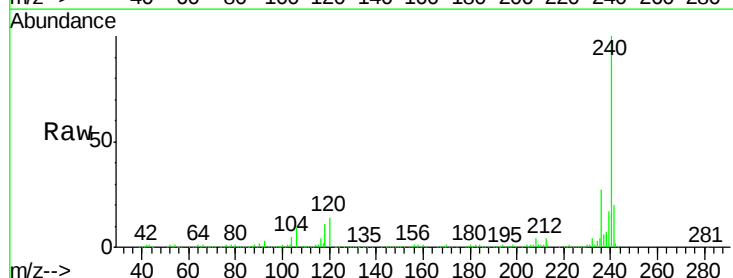
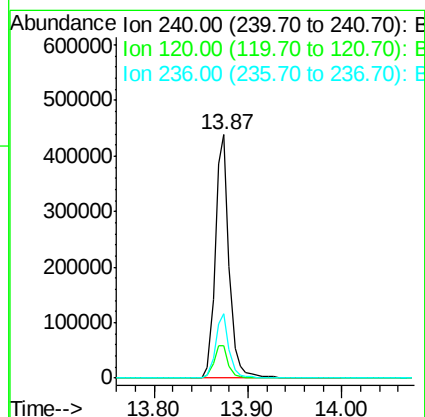
RT: 13.87 min Scan# 2004

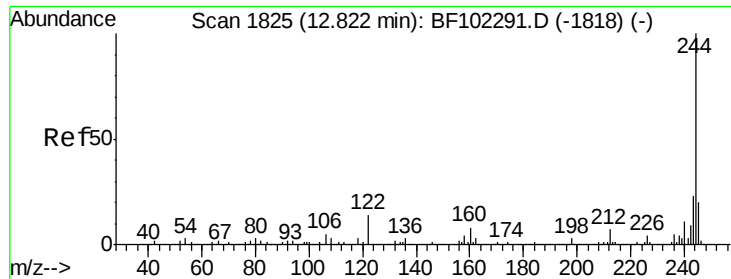
Delta R.T. -0.01 min

Lab File: BF102641.D

Acq: 30 Jan 2018 16:04

Tgt Ion:	240	Resp:	460200
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	26.7	20.7	31.1





#78
 Terphenyl-d14
 Concen: 73.010 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

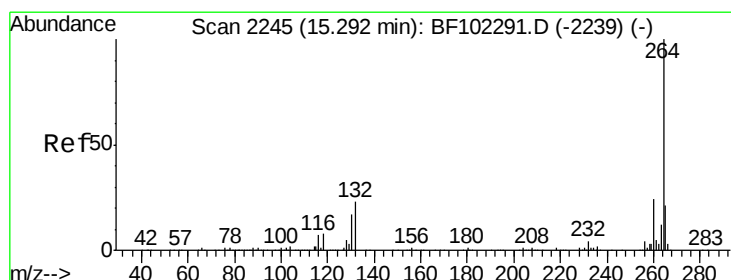
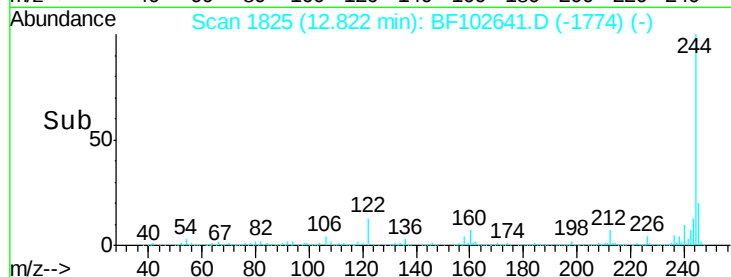
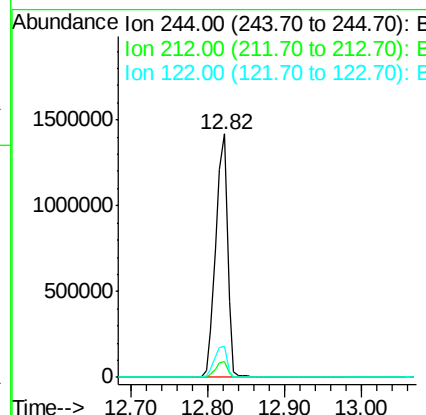
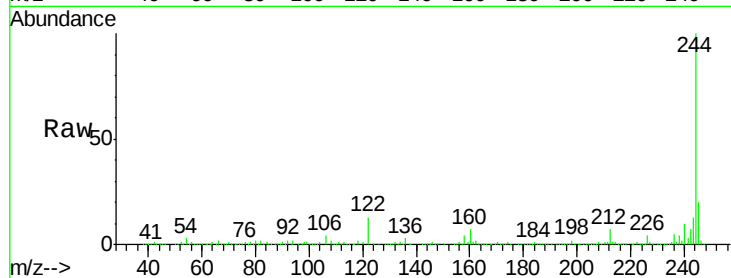
Instrument :
 BNA_F
 ClientSampleId :
 RB-01

Tot Ion:244 Resp: 1490416

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.7	11.0	16.4

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102641.D
 Acq: 30 Jan 2018 16:04

Tgt Ion:264 Resp: 365178

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	20.7	17.5	26.3

